

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

GENE-120/02US

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/580423**INTERNATIONAL APPLICATION NO.  
PCT/US2004/039593INTERNATIONAL FILING DATE  
24 November 2004PRIORITY DATE CLAIMED  
24 November 2003

TITLE OF INVENTION  
METHODS FOR MOLECULAR TOXICOLOGY MODELING

APPLICANT(S) FOR DO/EO/US  
DIGGANS, James C., and ELASHOFF, Michael

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 37 U.S.C. 371.
  3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
  4. ☐ The US has been elected (Article 31).
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
    - b. ☒ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☒ have not been made and will not be made.
  8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
  9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
  13. ☐ A preliminary amendment.
  14. ☐ An Application Data Sheet under 37 CFR 1.75.
  15. ☐ A substitute specification.
  16. ☐ A change of power of attorney and/or address letter.
  17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 – 1.825.
  18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
  19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
  20. ☐ Other items or information:

US Application No.

10/580423

Intr. Application No.

PCT/US2004/039593

Attorney Docket No.

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The following fees are submitted:				CALCULATIONS	PTO USE ONLY
21.	X	Basic national fee (37 CFR 1.492(a))	\$300.00	\$ 300.00	
22.	X	Examination fee (37 CFR 1.492(c))		\$ 200.00	
		If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0.00		
		All other situations	\$200.00		
23.	X	Search fee (37 CFR 1.492(b))		100.00	
		If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0.00		
		Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100.00		
		International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB	\$400.00		
		All other situations	\$500.00		
<b>TOTAL OF 21, 22 AND 23 =</b>					
	<input type="checkbox"/>	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (3) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
74-100=	/50 =	0	x \$250.00		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	55- 20 =	35	x \$50.00	\$1750.00	
Independent claims	4- 3 =	1	x \$200.00	\$ 200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$370.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$2680.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$2680.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$2680.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$2680.00	
				Amount to be refunded:	\$
				charged:	\$
a.	<input type="checkbox"/>	A check in the amount of \$ to cover the above fees is enclosed.			
b.	X	Please charge my Deposit Account No. 50-1283 in the amount of \$2680.00 to cover the above fees. A duplicate copy of this sheet is enclosed.			
c.	<input type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No (PA) 03-3117 (RE/DC) 50-1283. A duplicate copy of this sheet is enclosed.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International application to pending status.					

US Application No.

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PCT/US2004/039593

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**10/580423**

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1AP7 Rec'd PCT/PTO 24 MAY 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PLEASE DATE STAMP AND RETURN TO SHOW RECEIPT OF:

Int'l Appl. No.: PCT/US2004/039593

Applicant: DIGGANS, James C. et al

Filing Date: 24 May 2006

For: METHODS FOR MOLECULAR TOXICOLOGY  
MODELING

10/580423

1. Transmittal Form – 3 pages (in duplicate)
2. State Accompanying Sequence Listing with 2 CDs containing the Sequence Listing
3. International Application Published Under the Patent Cooperation Treaty (PCT) – 75 pages
4. (2) Return Receipt Postcards  
1 CM<sup>2</sup>)

Dated: May 22, 2006

Atty. Docket No.: GENE-120/02USUS

Client/Matter No.: 071912-  
Atty/Secy: HL/gsk

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